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Massachusetts Agricultural College

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AGRICULTURE

AND THE

WORLD WAR AND AFTER

PUBLISHED BY THE COLLEGE

Amherst, Mass.

Importance of Agriculture :

The significance of agriculture as a national asset has never been recognized as it is today by the people, young and old, of our country.

President Wilson, in his masterful war message, stated an important fact, and directed the attention of the people to the need of greater agricultural production and conservation, when he said: "Upon the farmers of this country, therefore, in a large measure, rests the fate of the war and the fate of the nations." A great responsibility; a big task; an attractive opportunity!

A Challenge to the Youth :

Here, then, is a new challenge to the youth of our land, to the boys and young men, to the girls and young women, to prepare themselves for effective agricultural service. The need for this service is not temporary, because for years after peace shall have been established, the urban population of Europe and the United States will rely on the food which must be produced in America. This year, millions of dollars are being spent through public and private agencies in the stimulation and supervision of agricultural production, conservation and distribution.

Agricultural Education :

With the public thought and enthusiasm so universally turned toward agricultural problems, there comes an unprecedented appreciation of the necessity of a professional agricultural education for men and women assuming

positions of responsibility and of leadership in connection with these problems. The agricultural colleges of the country, about fifty in number, are already organized and equipped for supplying the scientific training thus required. Indeed, for half a century these colleges have been training men in this field, so that today practically all the leaders in the agricultural movement are graduates of agricultural colleges.

The Massachusetts Agricultural College :

The agricultural college of Massachusetts, now with a history of fifty years of service, is training men and women to assist in the solution of the problems of food production, conservation and distribution, which confront the world. The institution invites to its membership such young men and women as have the ability, desire and determination to become effective workers in the various practical agricultural vocations, or to become leaders in the broader field of agricultural service.

Courses for Regular Students :

The regular college course covers a period of four years, and leads to the degree of Bachelor of Science. This is the program to be recommended to all who can avail themselves of the opportunities thus offered. In fact, four years of preparation are essential for one ambitious to make the best advancement in agriculture, and especially for one seeking a position of high responsibility. Students en-

rolled in this course may specialize in one of the following subjects, each of which leads to a definite vocation.

Agriculture (General)
 Agronomy
 Animal Husbandry
 Dairying
 Poultry Husbandry
 Floriculture
 Forestry
 Landscape Gardening
 Pomology
 Economic Botany
 Economic Entomology
 Agricultural Chemistry
 Microbiology
 Rural Journalism
 Agricultural Economics
 Agricultural Education
 Rural Sociology

Courses for Special Students :

In order to meet the demands for instruction which will aid young men and women in becoming expert in the practical phases of agriculture, the Massachusetts Agricultural College will admit high school graduates eighteen years of age or over without examination, and permit them, under certain conditions, to pursue studies in technical agriculture and horticulture. Some have not the necessary academic credits to enter the four years' course, nor have they the inclination or the time and money required. To

these, the opportunity to come for one or two years and specialize in practical agriculture and horticulture will be appreciated. The following are suggestive combinations of studies which special students may elect:

1. *General Agriculture :*

Fertilizers
Field Crops
Live Stock Breeding, Management and Judging
Dairying
Fruit Growing
Farm Accounting
Farm Management
Farm Machinery

2. *Animal Husbandry and Dairying :*

Type and Breeds of Live Stock
Principles of Breeding
Feeding and Management
Buttermaking
Farm Accounting
Dairy or Farm Machinery
Live Stock Management
Live Stock Judging
Milk and its Composition
Market Milk
Farm Management

3. *Poultry Husbandry :*

Elementary Poultry Culture
Incubation and Brooding
Pen Management
Poultry Feeding and Management

Judging

Poultry Products

Farm Accounting

Poultry Practice Work, Carpentry, Caponizing, Killing, Picking.

Poultry Breeding

Market Poultry

Field Crops

Fruit Work

4. ***Fruit Growing :***

Varieties of Fruits

Cropping Orchards

Spraying Small Fruits

Packing

Plant Diseases

Horticultural Manufactures

Soils and Fertilizers

Farm Accounting

Establishing the Orchard

Pruning

Picking

Marketing

Fruit Insects

Field Crops

Farm Management

Farm Machinery

5. ***Market Gardening :***

Soils and Fertilizers

Irrigation

Spraying

Greenhouse Vegetable Growing

Farm Accounting

Varieties of Vegetables
Crop Rotation
Storage
Farm Management
Farm Machinery

What the Students of the College are Now Doing:

In response to the call for men to supervise production projects, developed by schools, municipalities and manufacturing concerns, and later to meet the urgent demand for farm labor, practically the entire undergraduate student body, nearly six hundred in number, left the institution the latter part of April and early in May to meet the specific calls made for them. A large number of the older men entered some form of military or naval service.

Expenses and General Information :

Tuition is free to regular and special students who are residents of Massachusetts. The necessary expenses for board and room, books and incidentals vary from \$250 to \$350 per year. The next college year will open October 10, 1917, and will consist of three terms of nine weeks each; the usual length of each term is twelve weeks.

Enrollment in 1916 and 1917, including graduate students, was nearly seven hundred.

Military drill is required, and has been under the direction of an officer of the United States army.



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Entrance examinations in the autumn of 1917 will be held October 4 to 6 at Amherst only.

The College also offers graduate courses in agriculture and allied sciences, a ten weeks' winter courses and a four weeks' summer school.

A complete catalog of the college, containing a description of courses, will be sent upon application. A separate announcement for the admission of special students will be ready in August or September.

RALPH J. WATTS, *Secretary,*

Amherst, Mass.